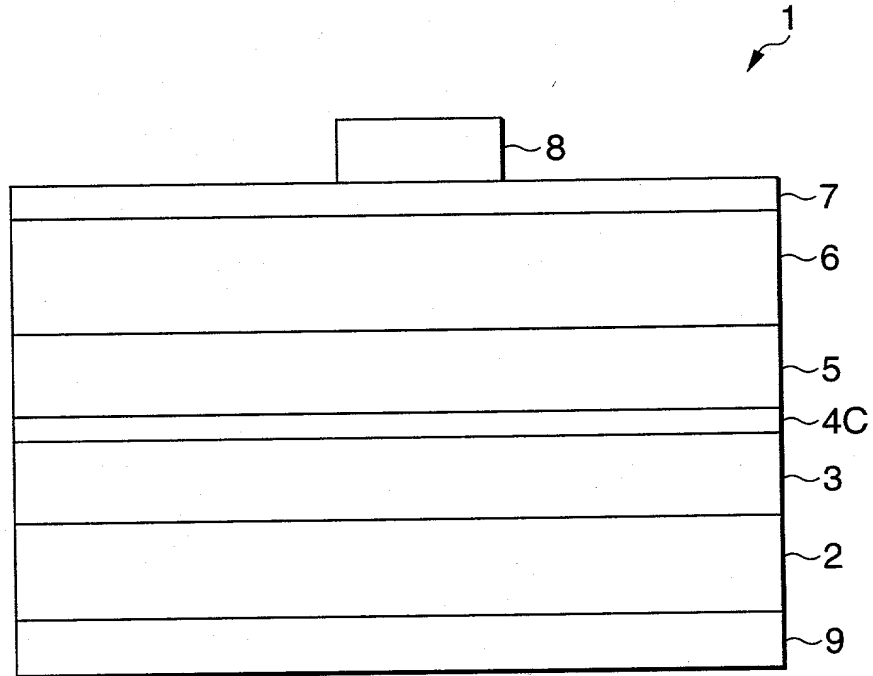


FIG.1



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FIG.2

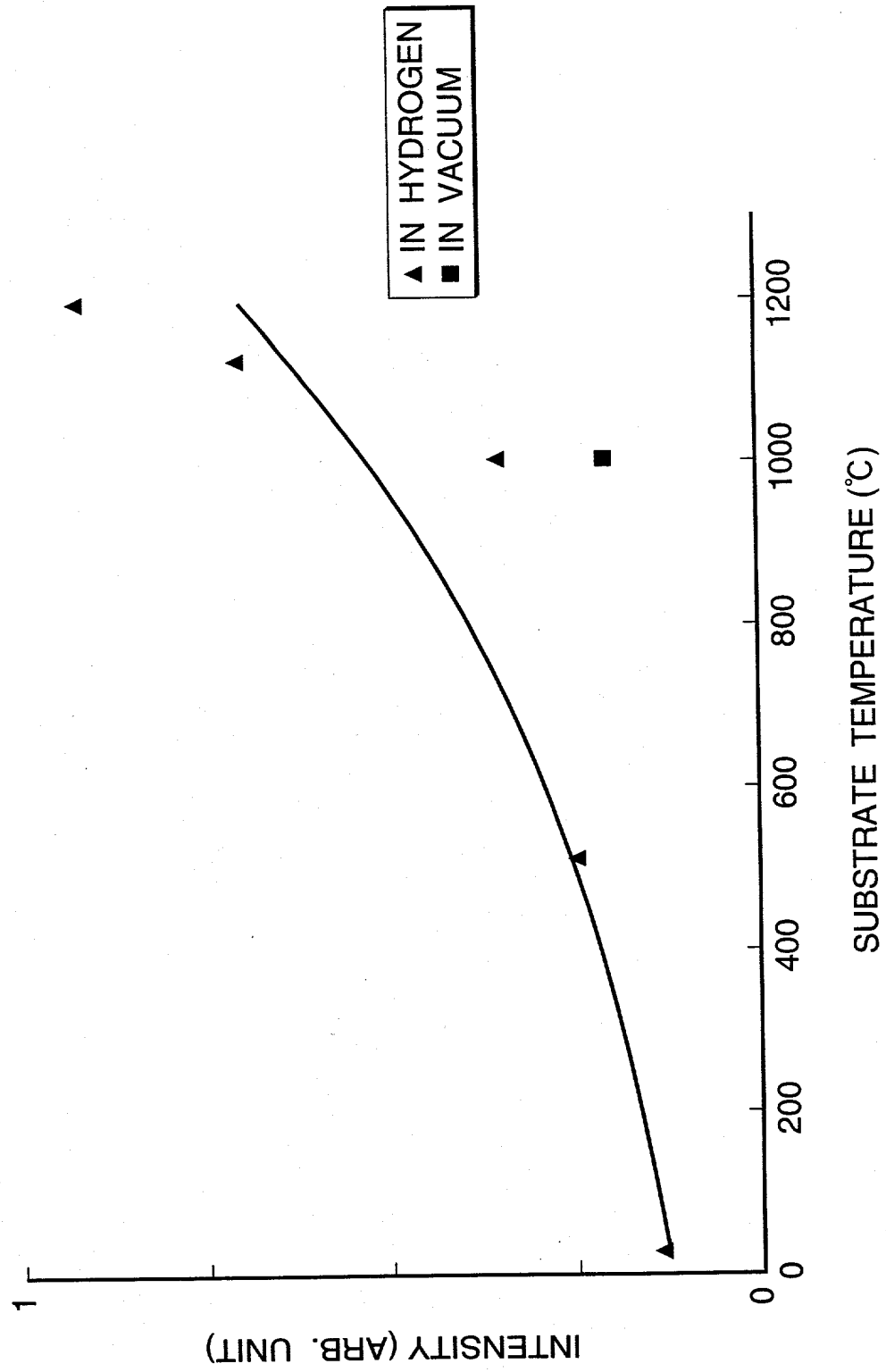
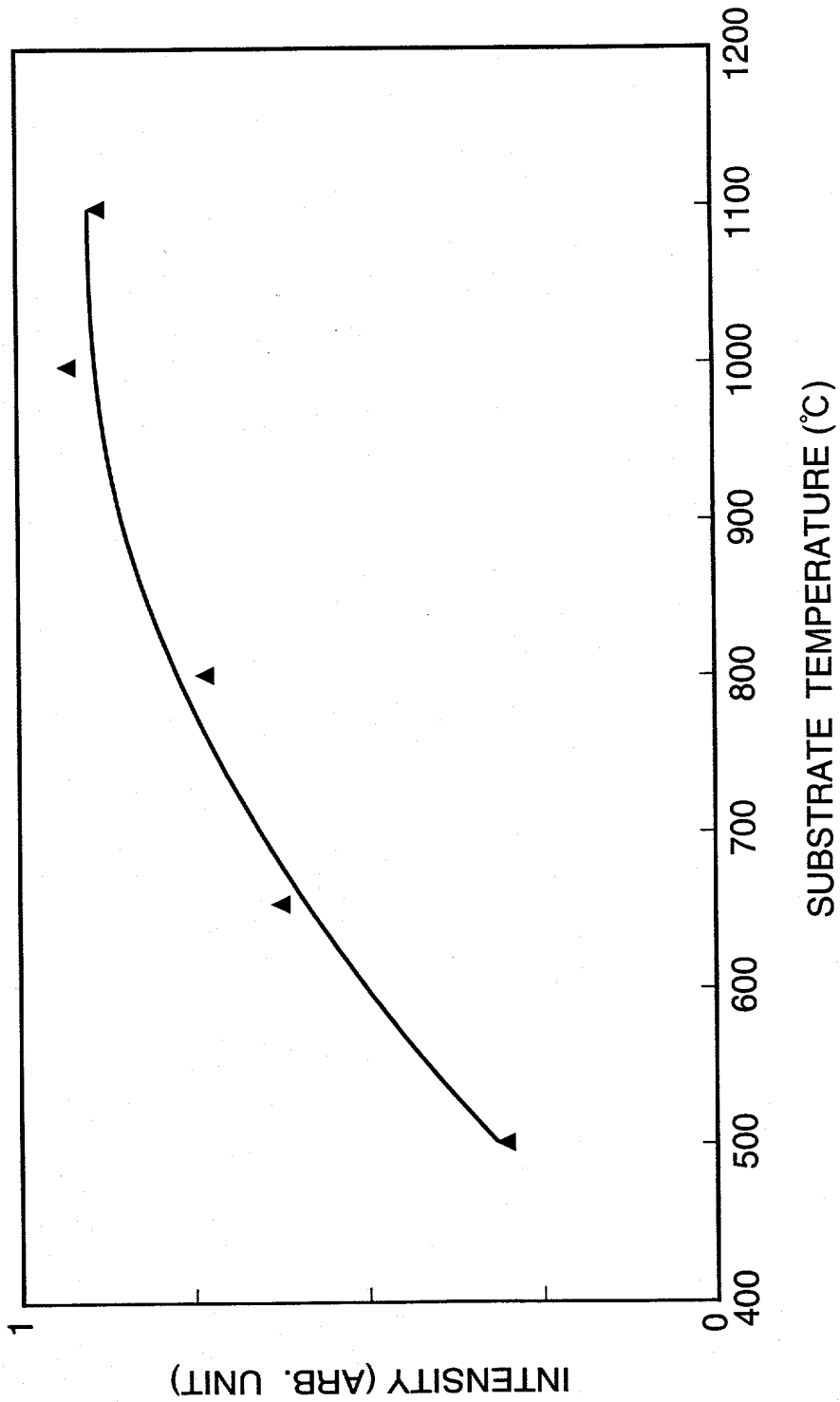


FIG.3



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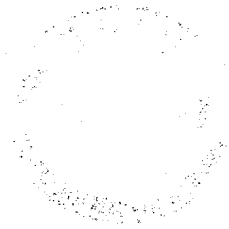
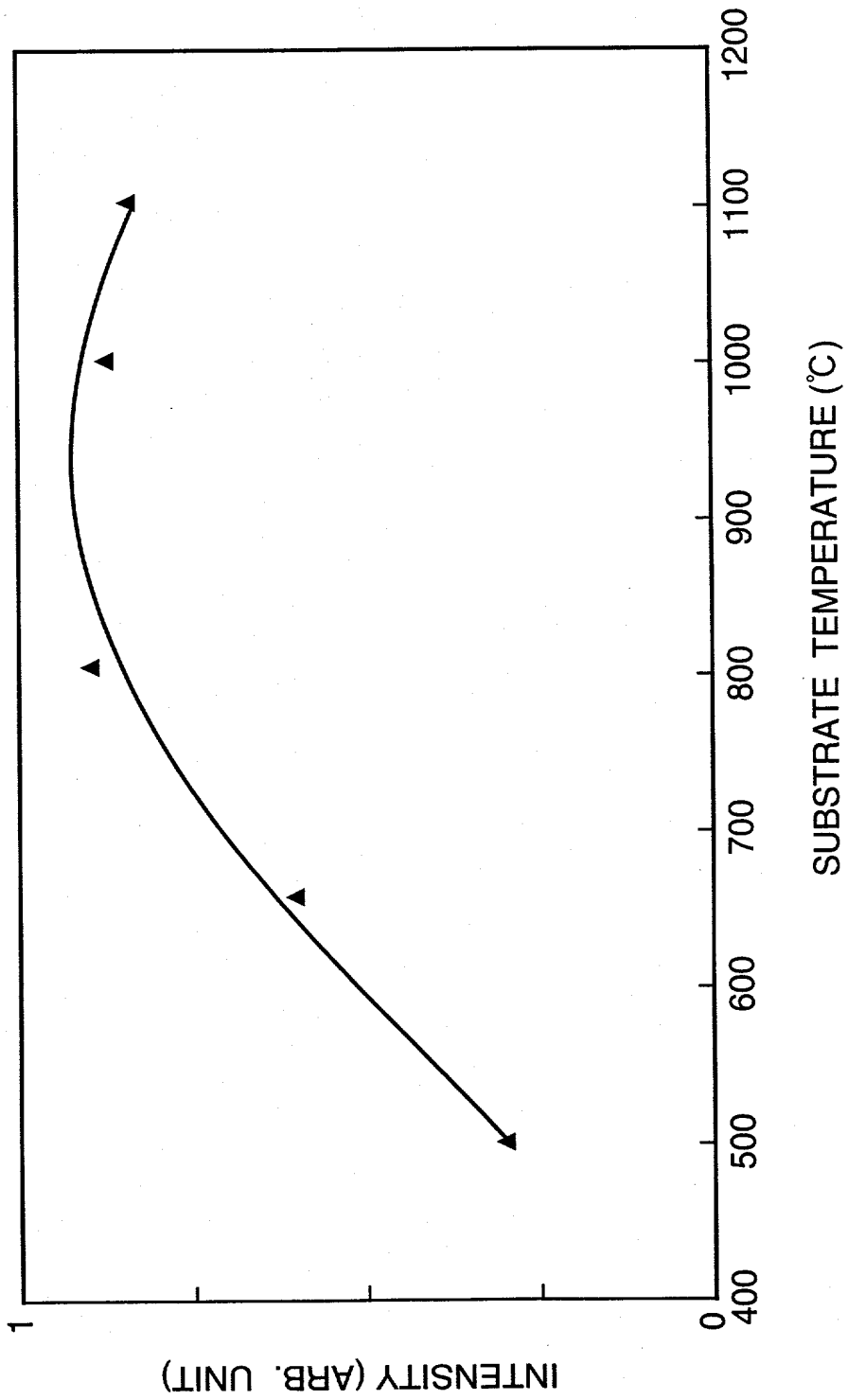
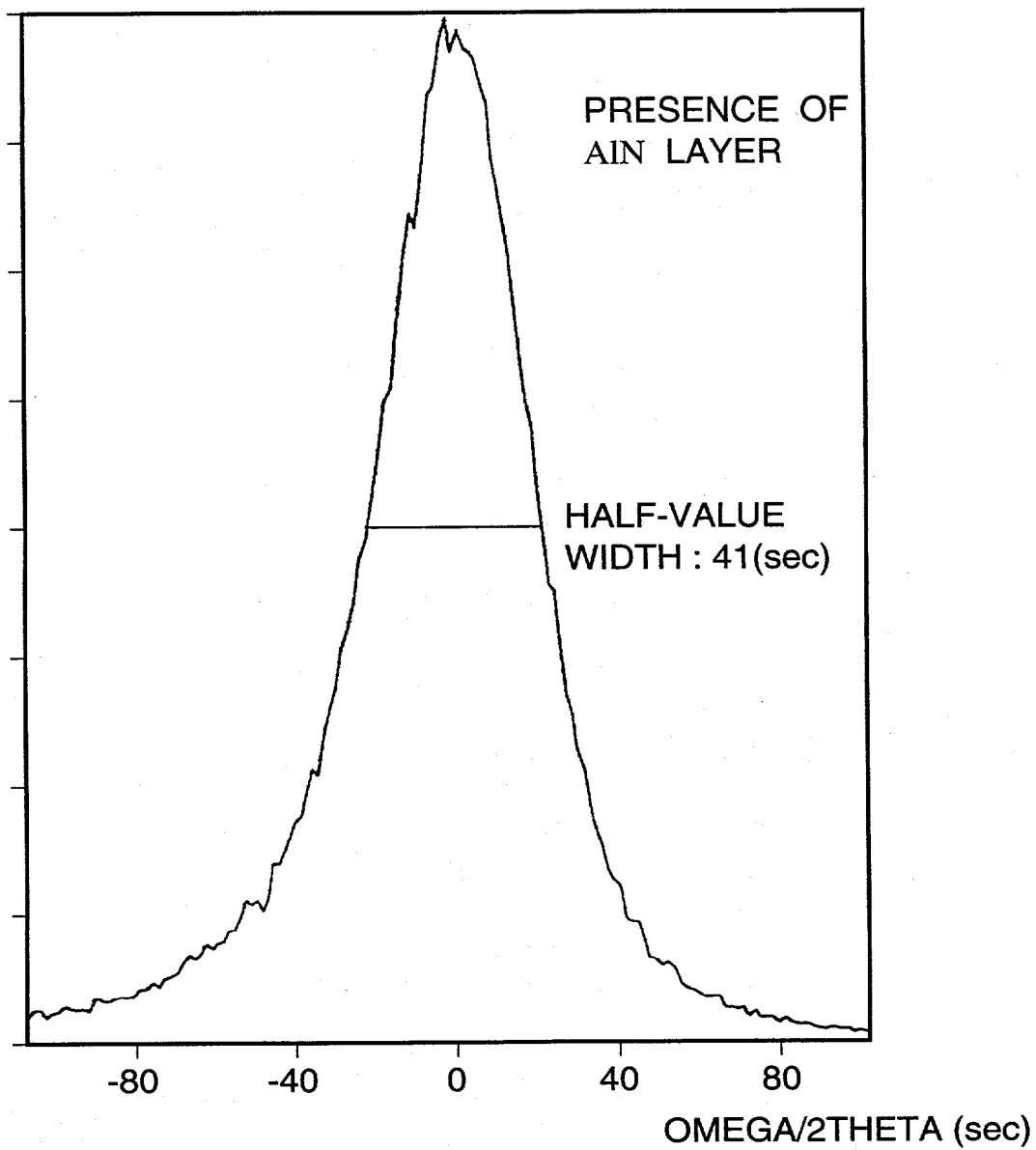


FIG.4



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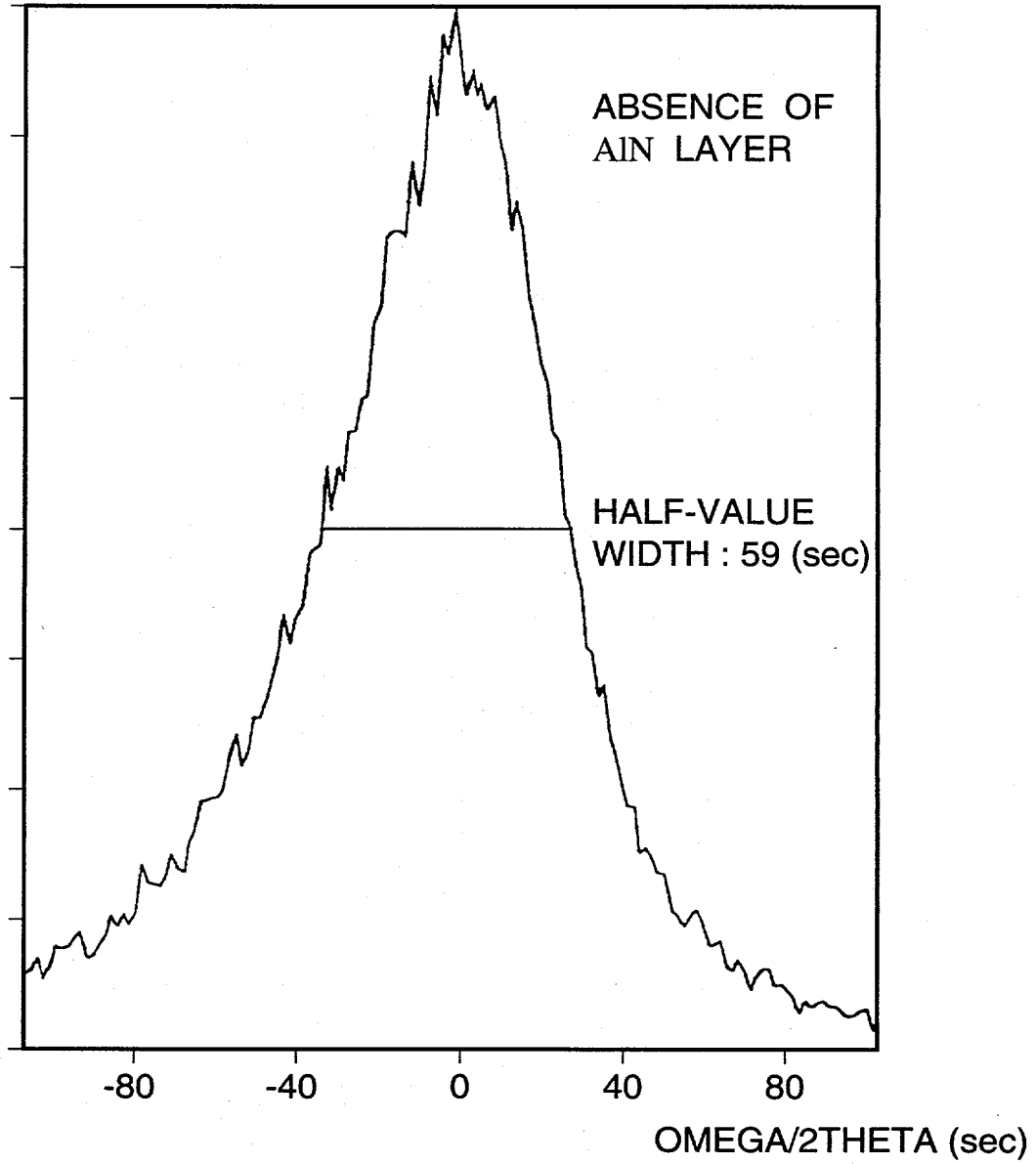
FIG.5



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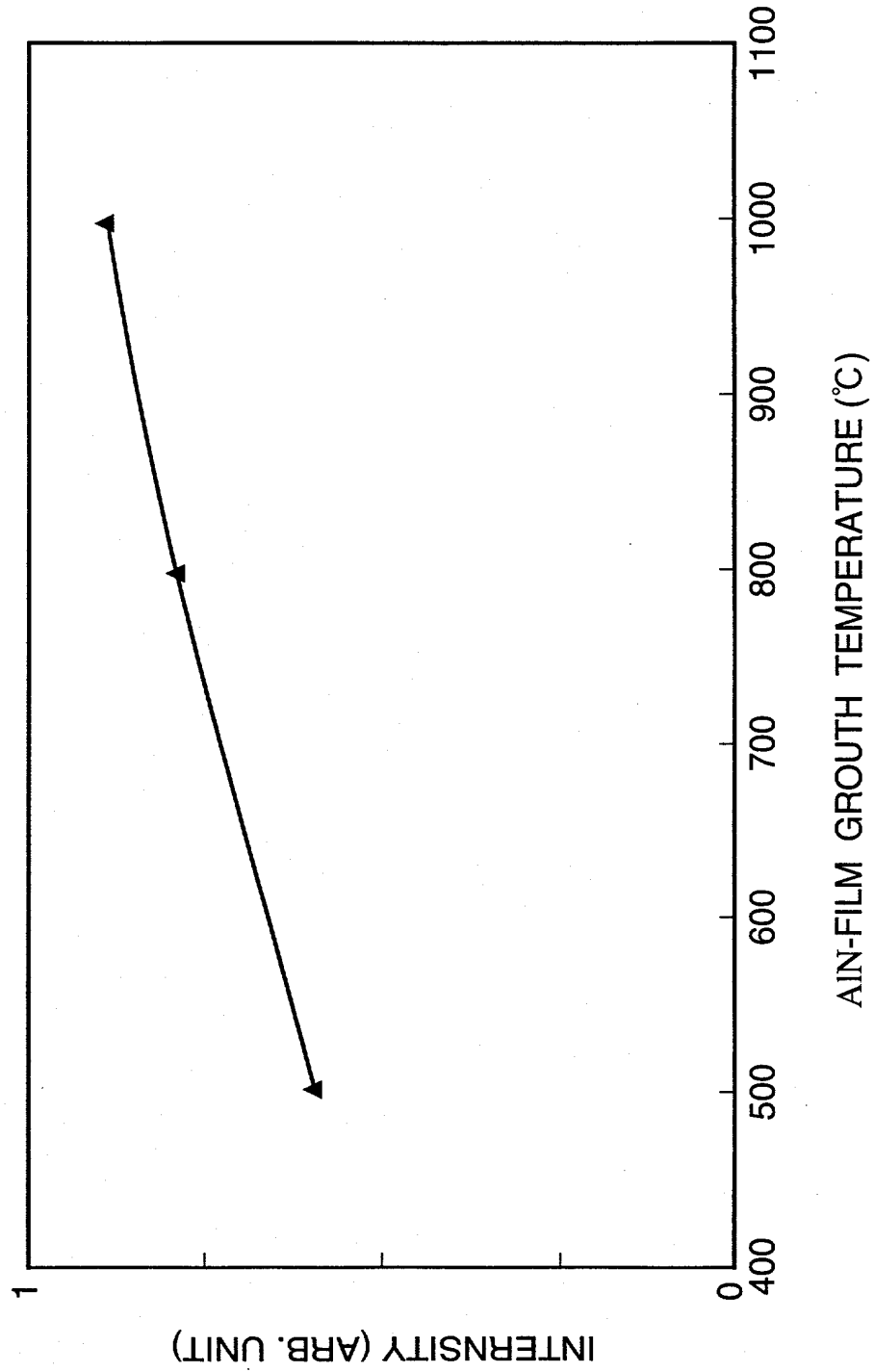


FIG.6



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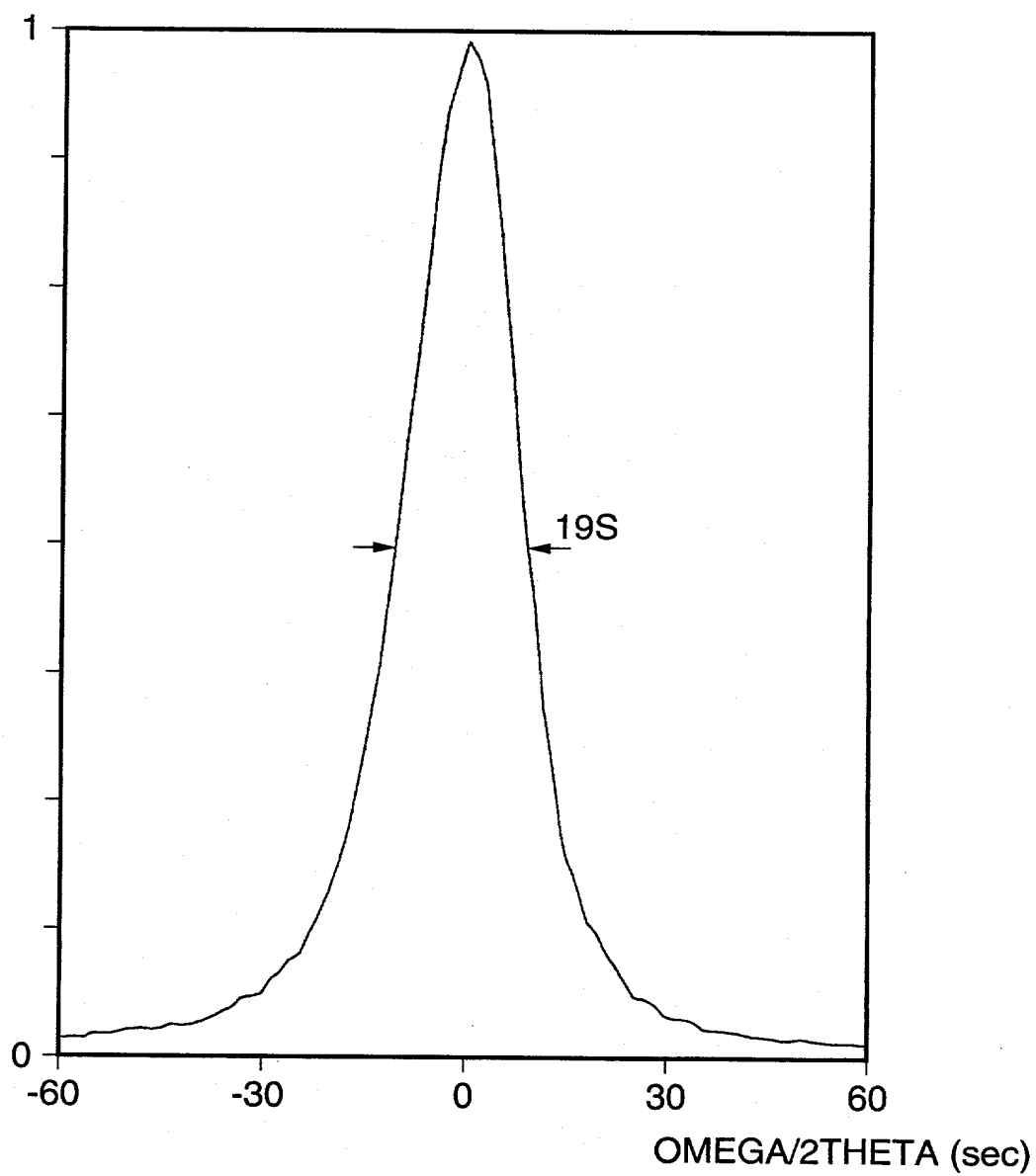
FIG.7



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FIG.8

X-RAY ROCKING CURVE  
GaN/AlN/TiN/SaP

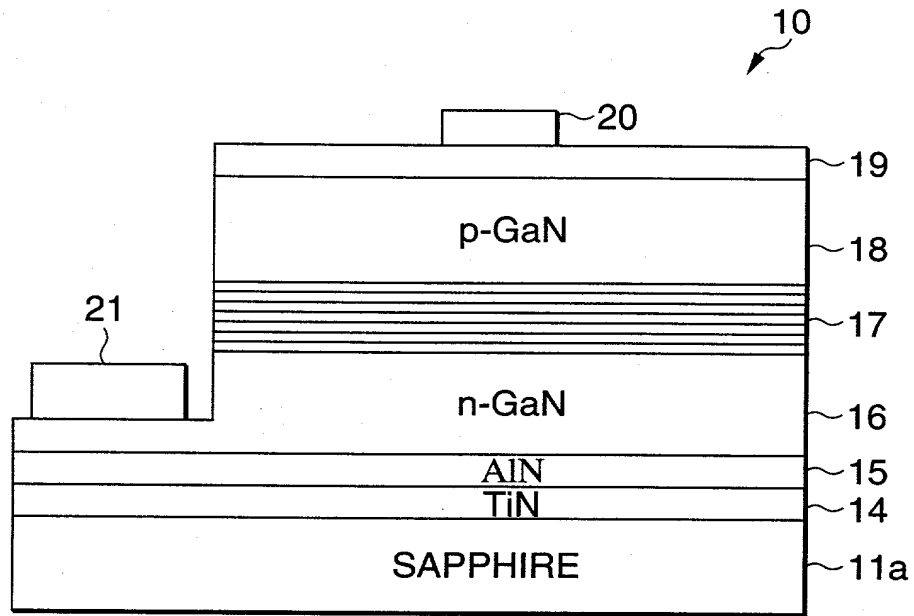




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FIG.9



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FIG.10

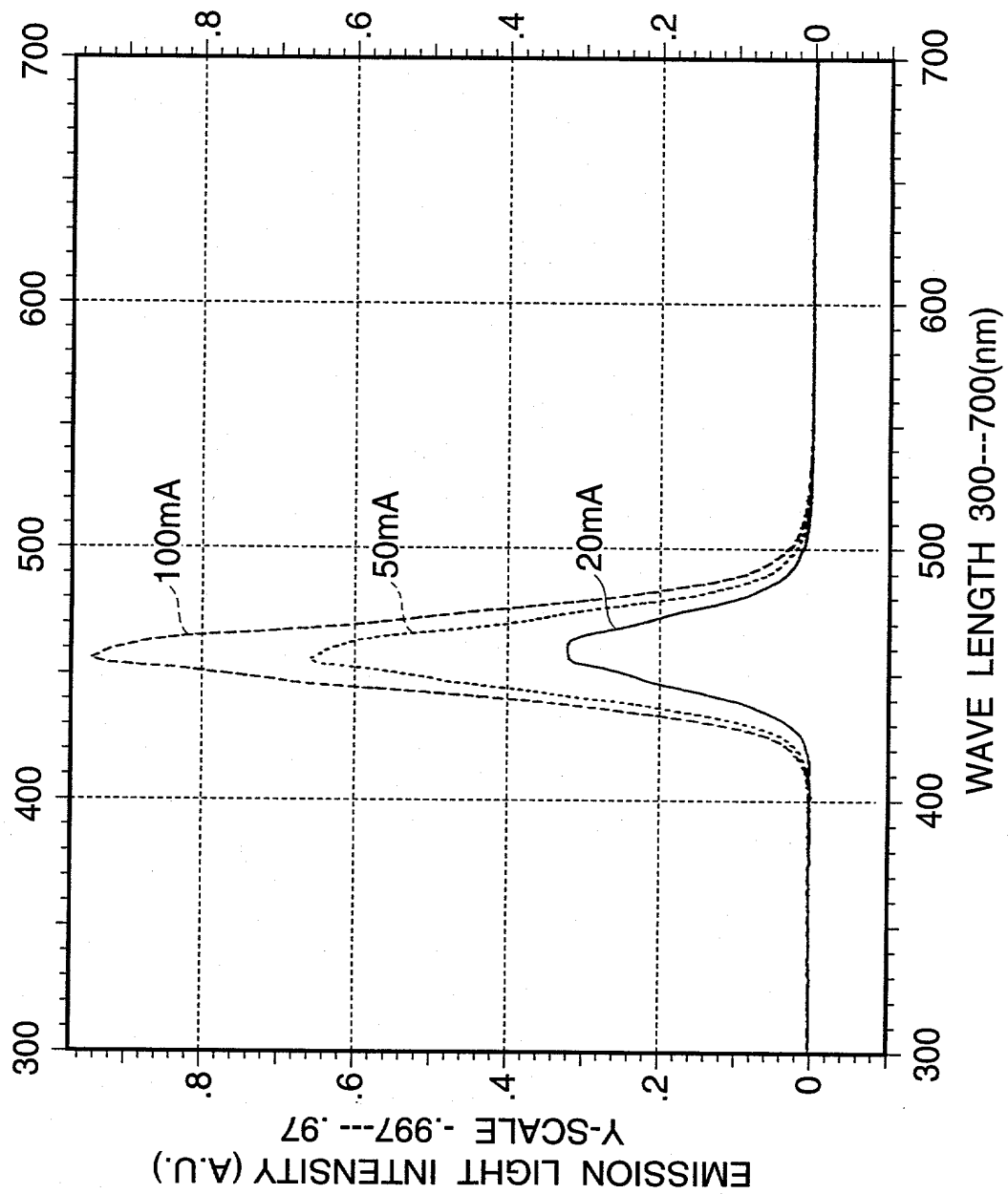


FIG.11

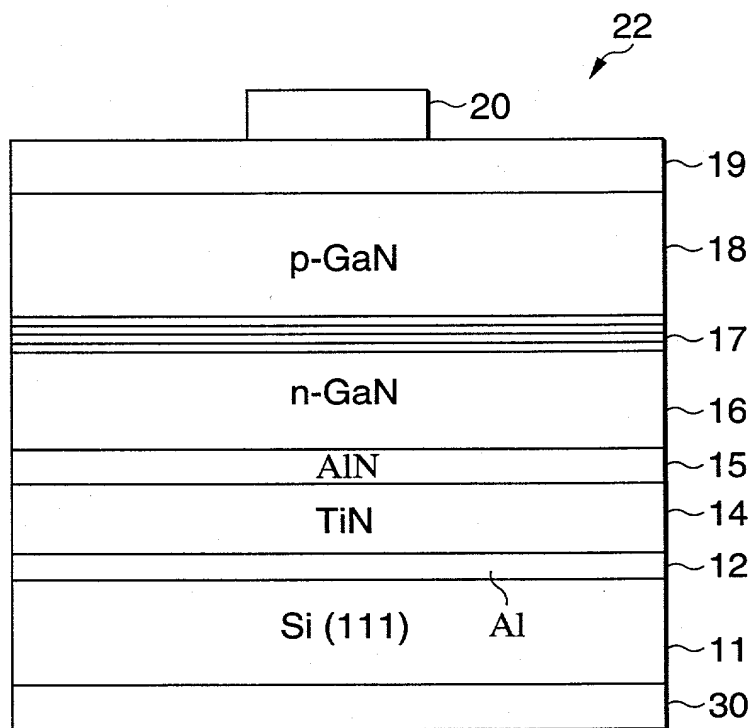
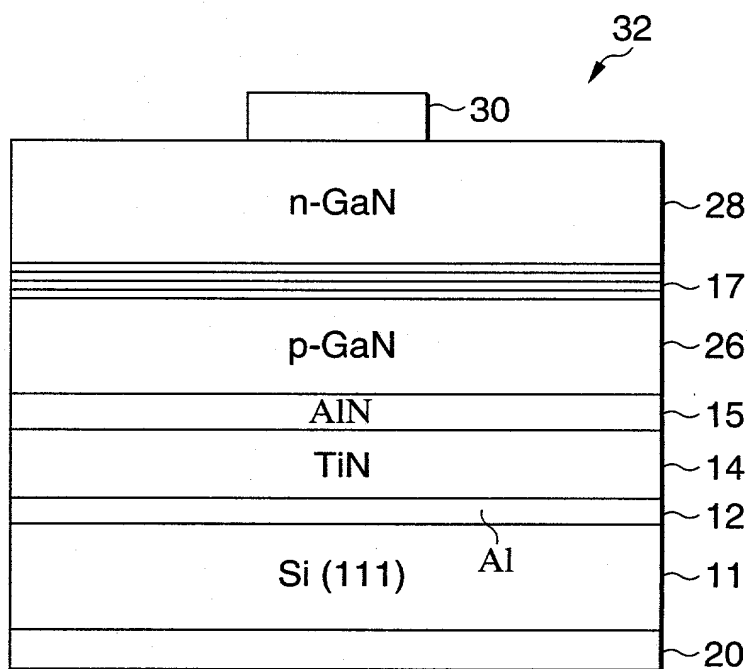


FIG.12



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FIG.13

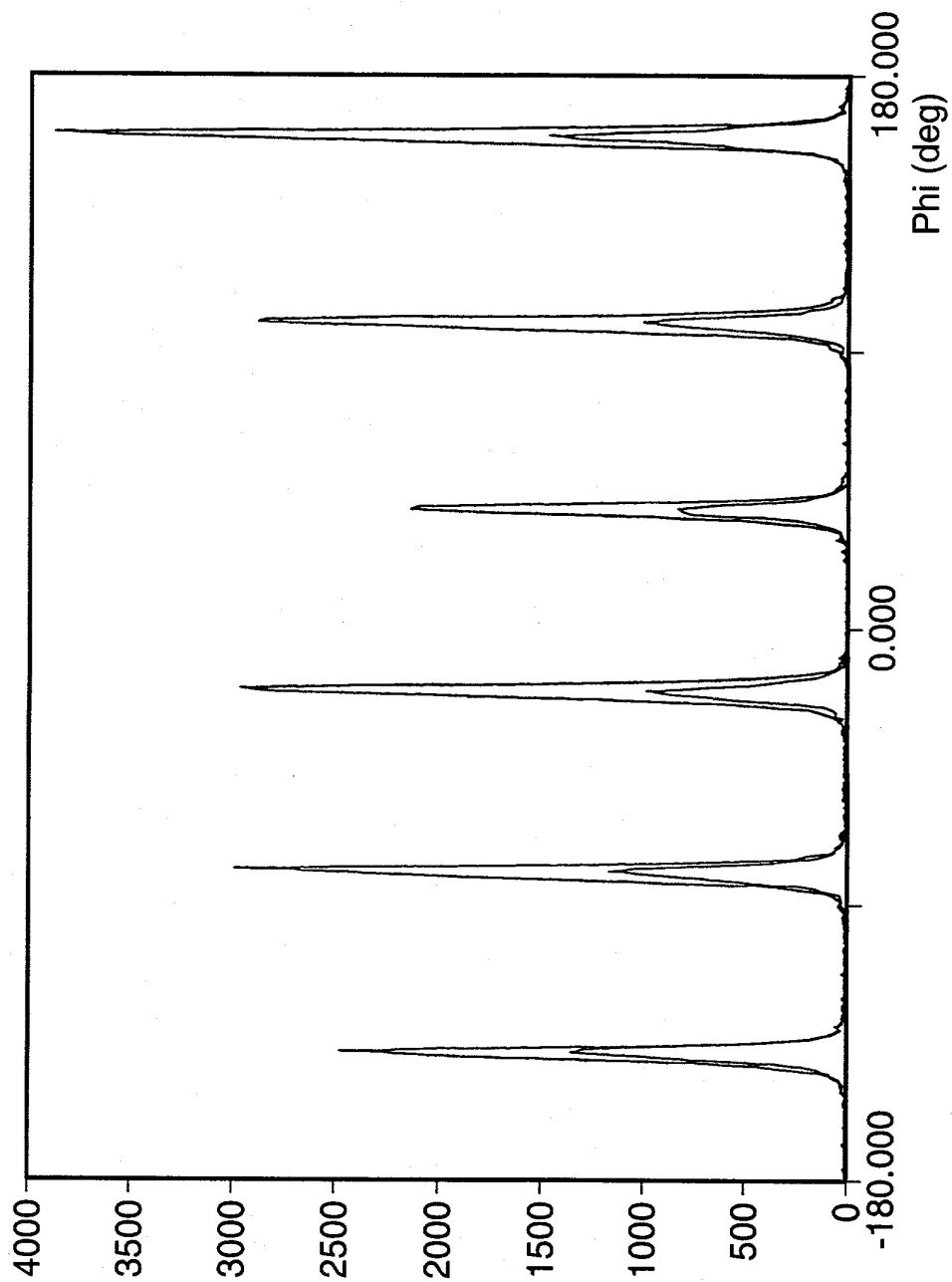
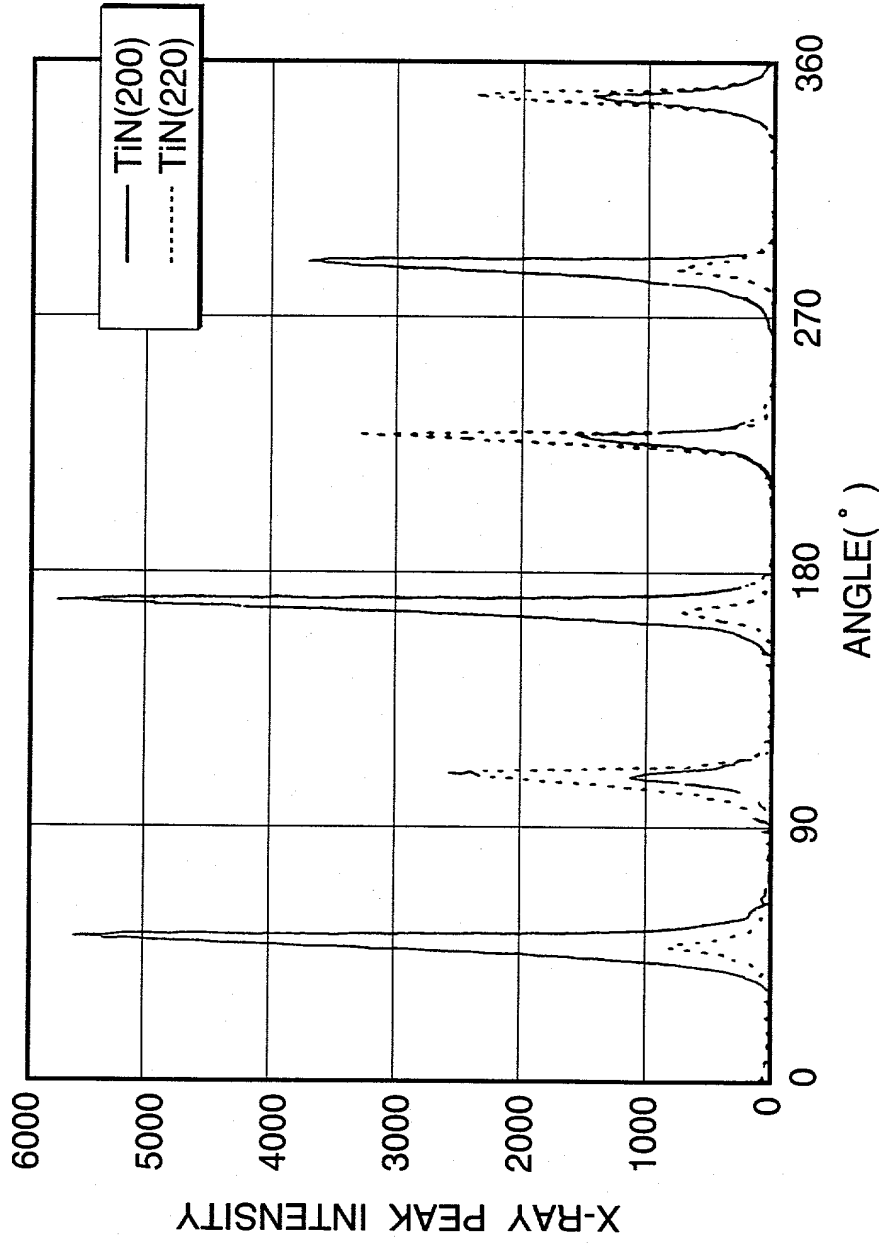




FIG.14

Phi SCANNING



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FIG.15

Ti (15000Å)/TiN (5000Å)/Al/Si  
Ti Phi SCANNING

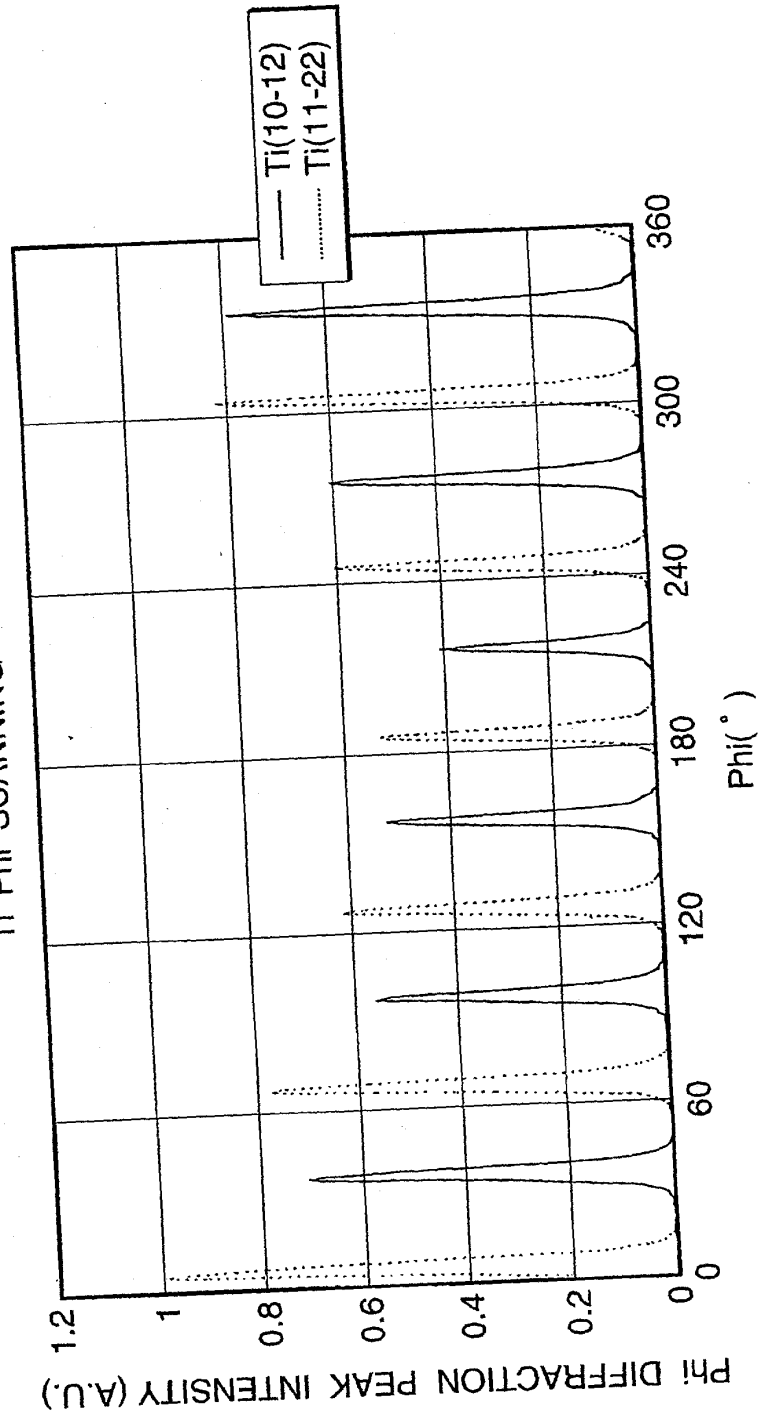
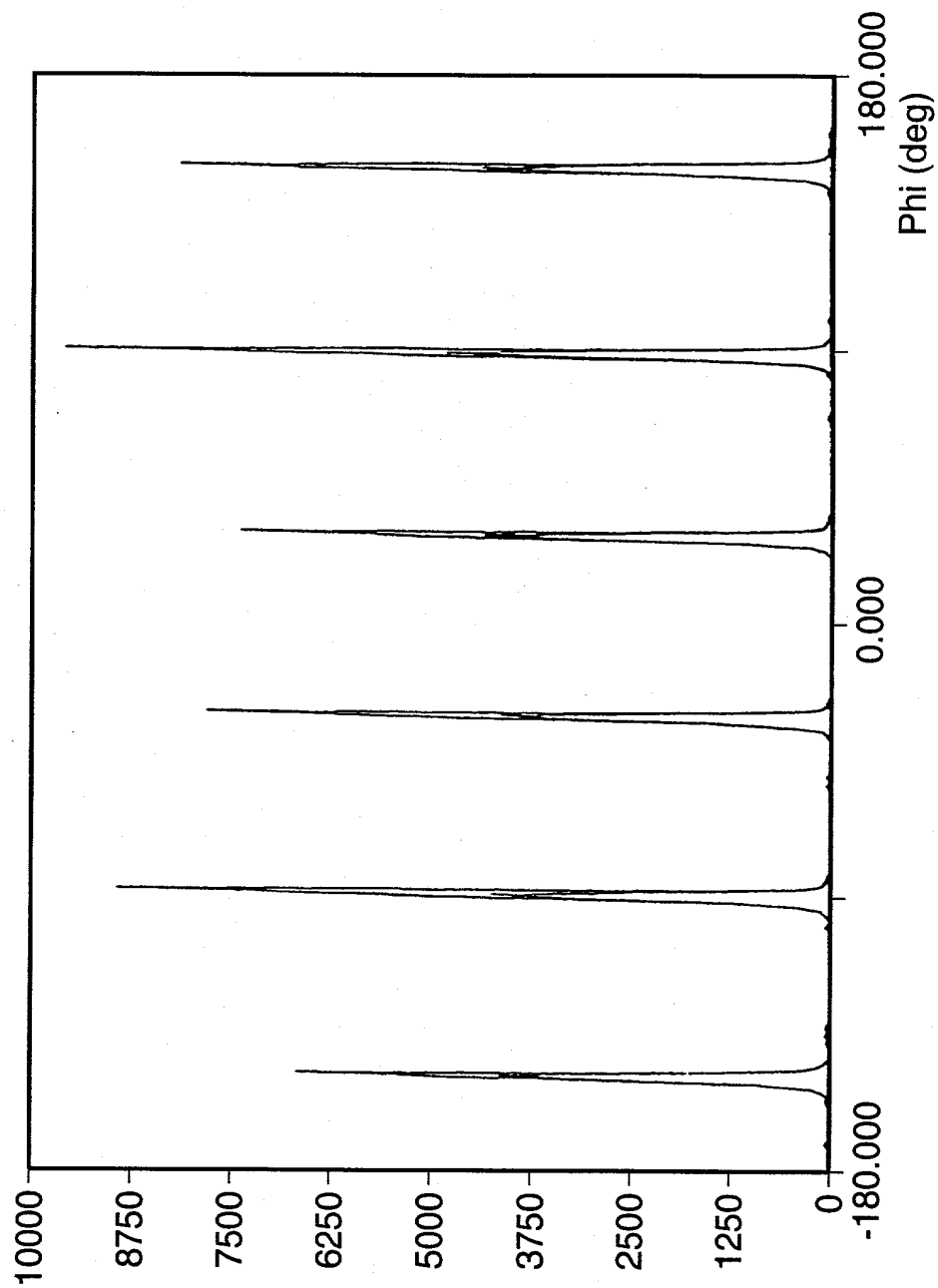




FIG.16





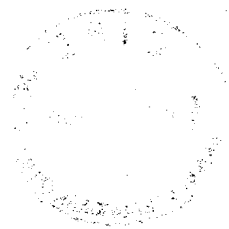


FIG.17

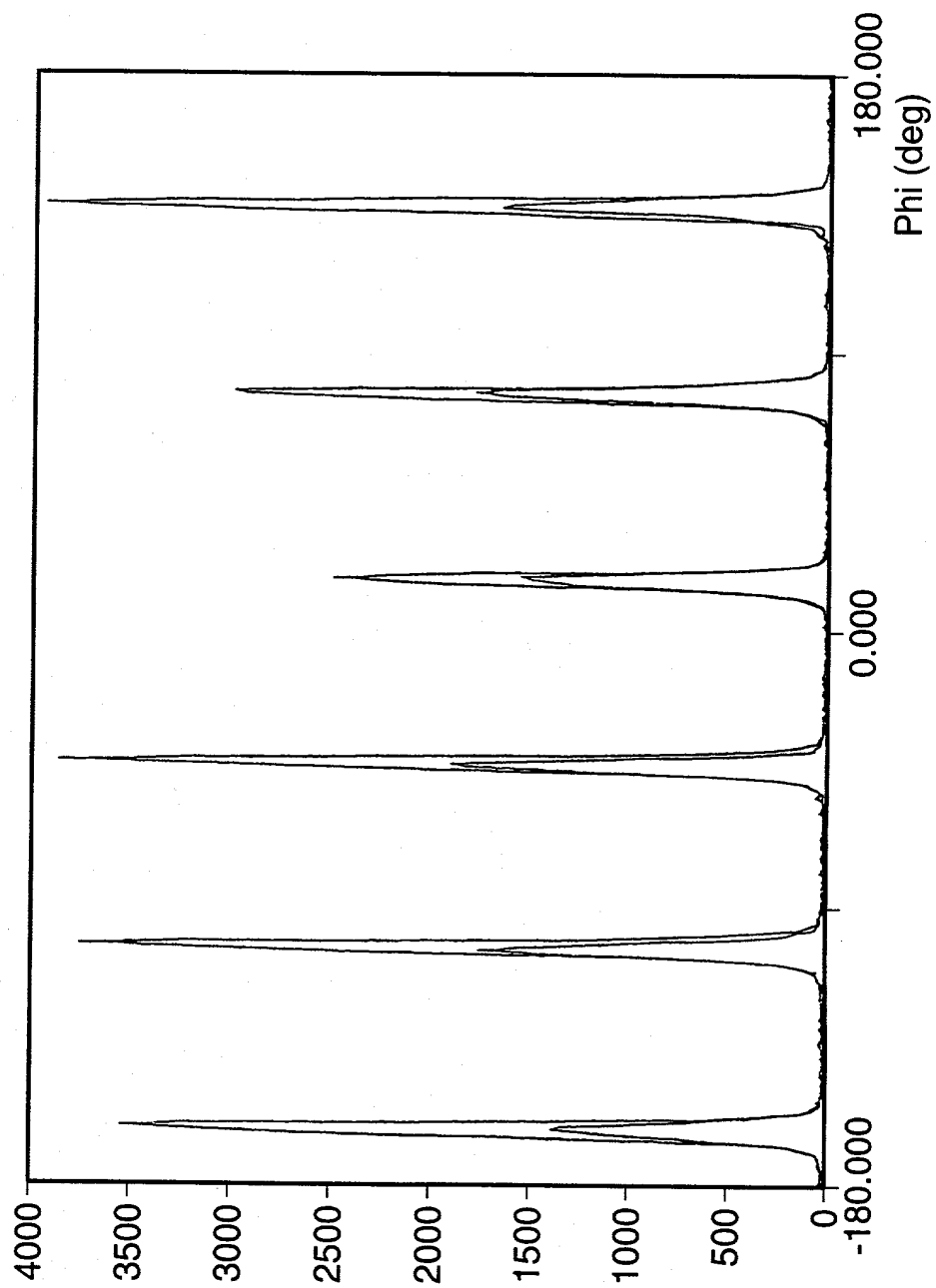
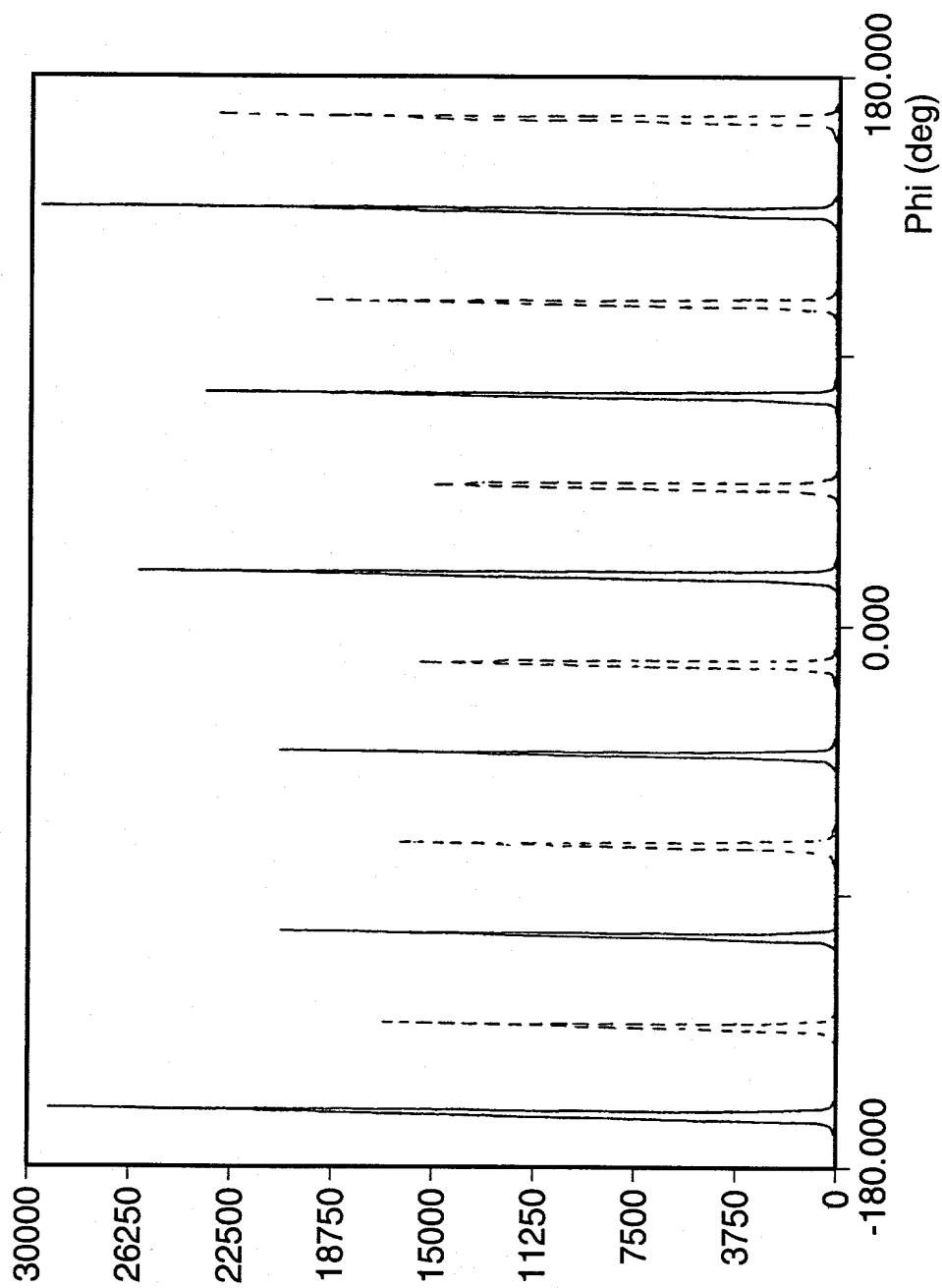




FIG.18



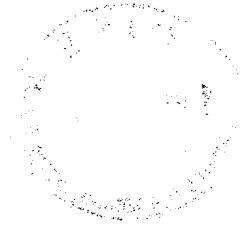
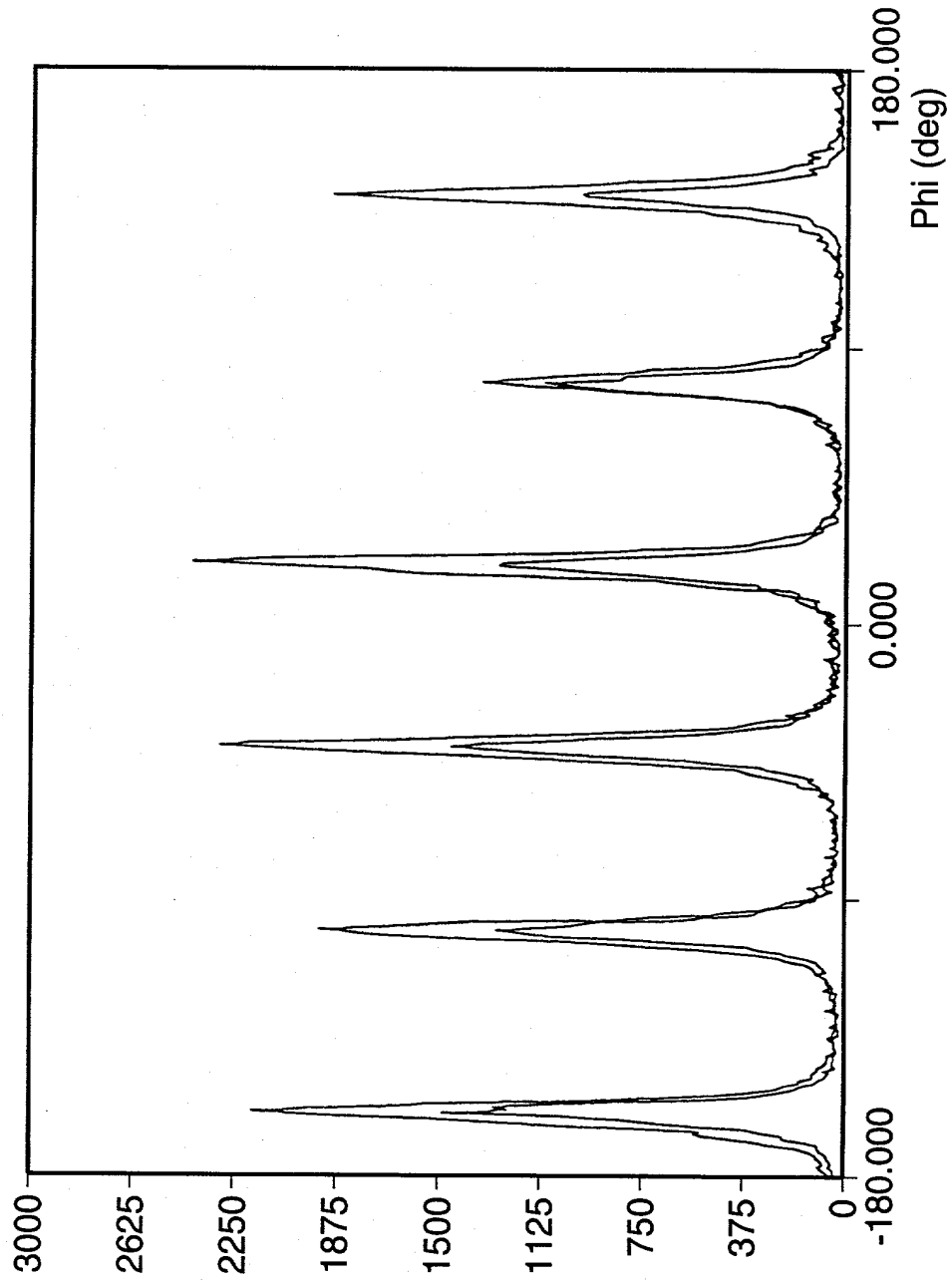


FIG.19



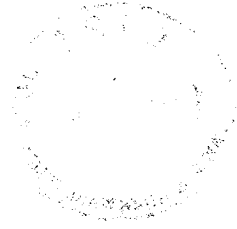


FIG.20

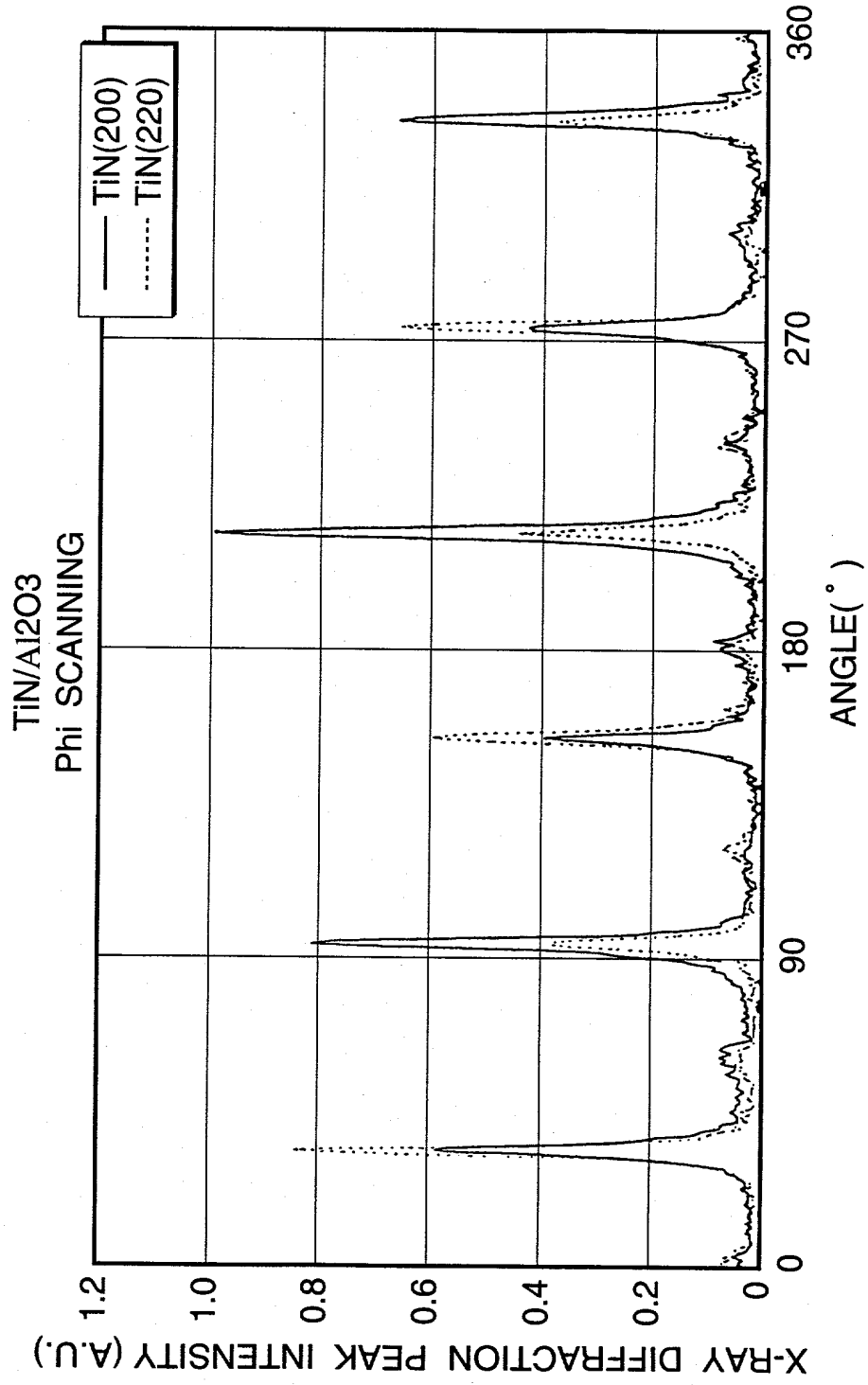




FIG.21

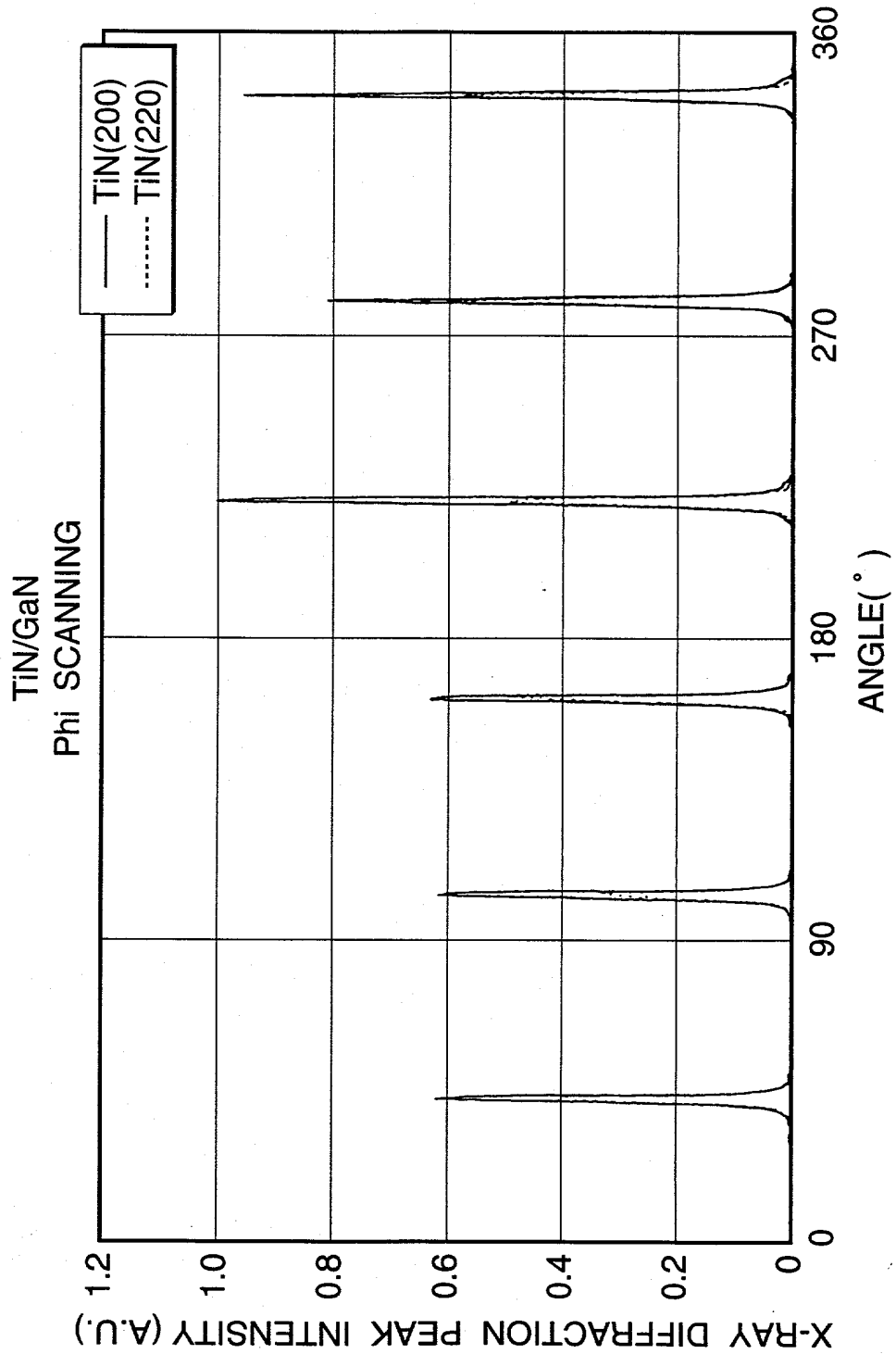




FIG.22

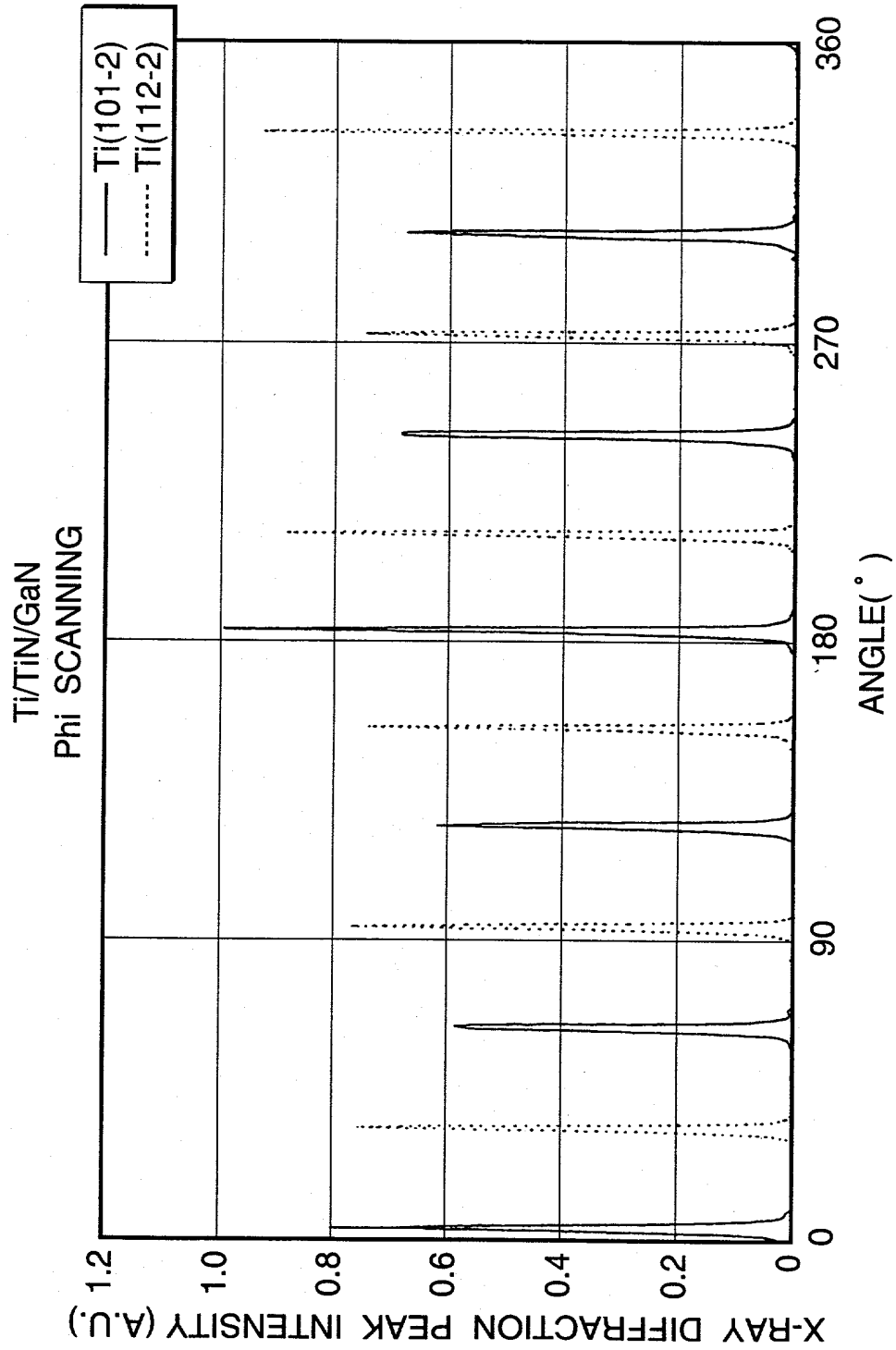
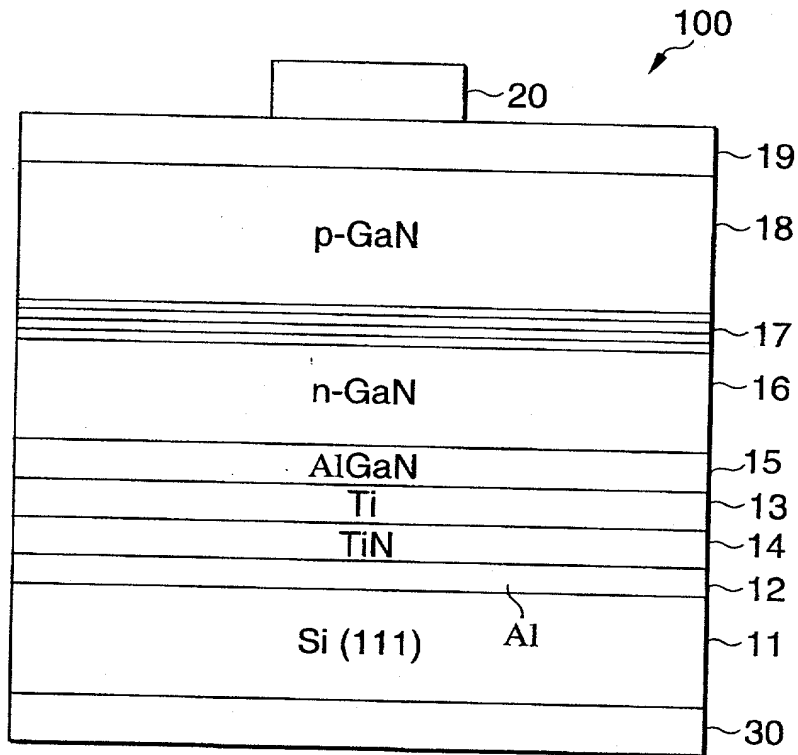


FIG.23



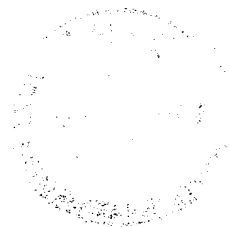
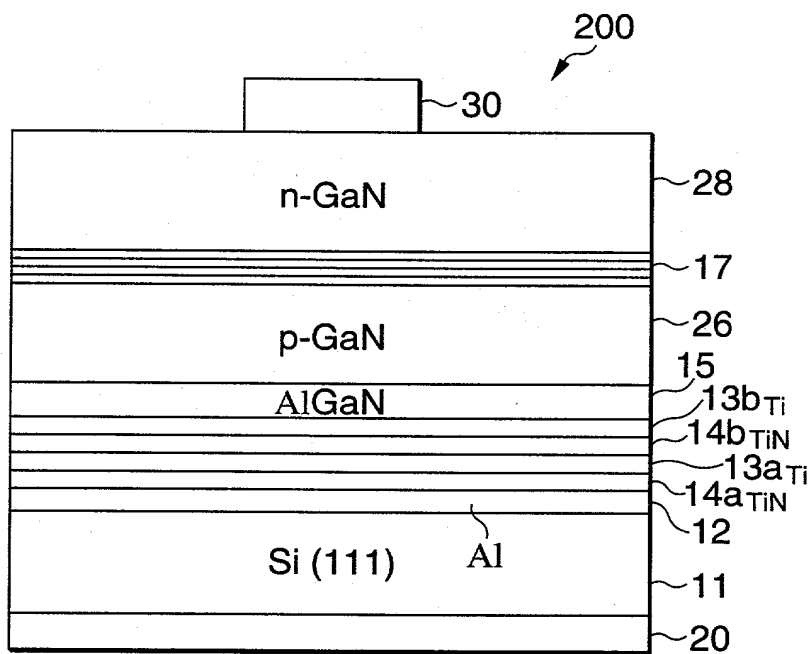


FIG.24





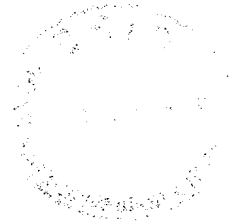
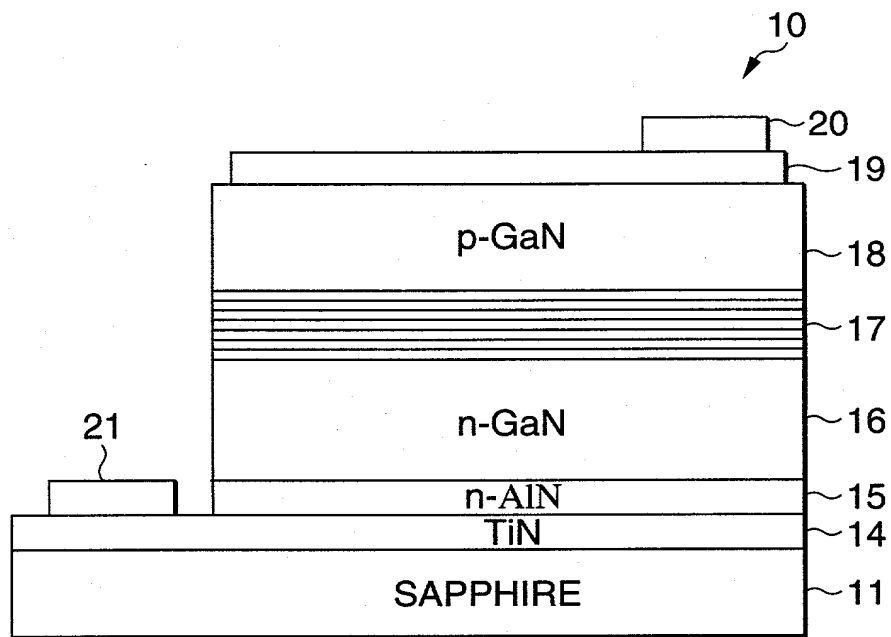


FIG.25



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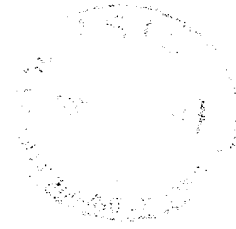


FIG.26

